



Installing iPhone 3G GPS Antenna

Tools used in this guide

- [Phillips #00 Screwdriver](#)
- [Small suction cup](#)
- [Spudger](#)



Step 1 - Battery

- Remove the two Phillips #00 screws from the dock-connector end of the iPhone.



Step 2

- There is a rubber gasket between the silver front bezel and black display assembly. A bit of force is required in this step to separate the iPhone's display assembly.
- Use a small suction cup near the Home button to gently pull up the bottom portion of the iPhone's display assembly.
- If you don't have a suction cup, you may be able to use some wide scotch tape or something similar without too much glue.

Step 3

- The display assembly is still connected to the iPhone by several cables, so don't try to remove it entirely just yet.
- Rotate the display assembly up until it is at an angle of approximately 45 degrees.



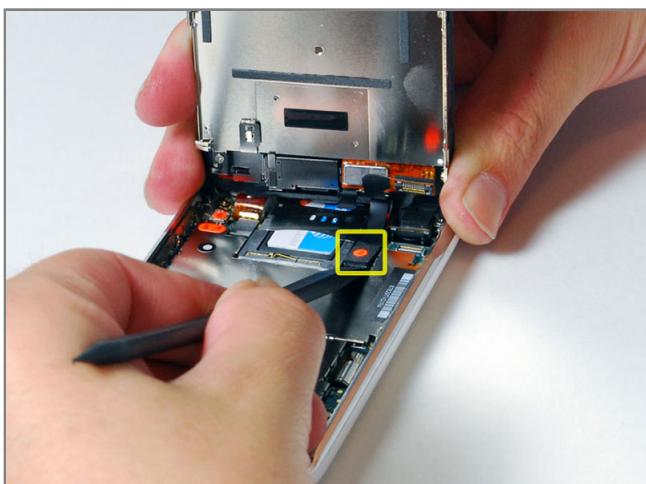
Step 4

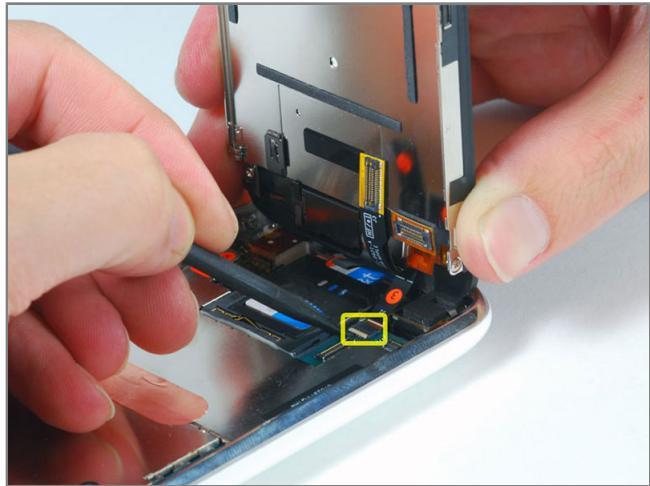
- Continue to hold the display assembly with one hand, and use your other hand and a spudger to disconnect the black ribbon cable labeled "1."



Step 5

- Rotate the display assembly up until it is roughly vertical. This will allow easier access for disconnecting the remaining cables.
- Use a spudger to disconnect the black ribbon cable labeled "2."





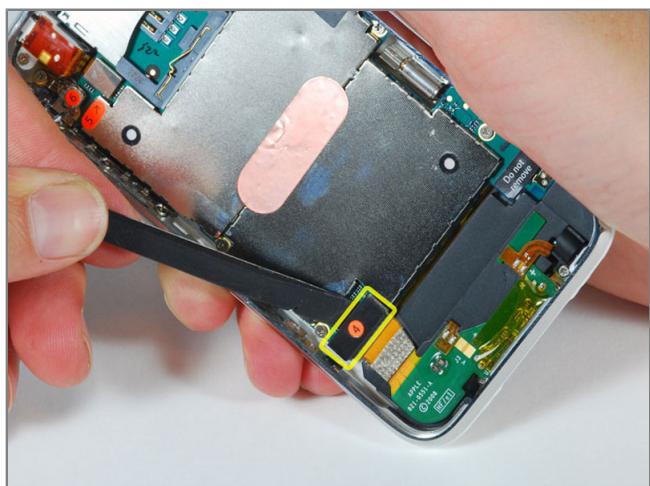
Step 6

- Some iPhone 3Gs may have the connector colors reversed (black plastic tab, white connector). Make sure you're flipping up the tab properly, otherwise you may damage the connector.
- Use a spudger to flip up the white plastic tab holding the remaining ribbon cable in place. The white tab will rotate up 90 degrees, releasing the ribbon cable.
- Slide the black ribbon cable out of its connector, and remove the display assembly from the iPhone.
- Note: You may find on some versions of the 3G that the flip up plastic tab does not exist. In this case you would slide the ribbon cable towards the screen until it is removed. Upon assembly, you would apply pressure to the ribbon to insert it back into the ribbon "socket".



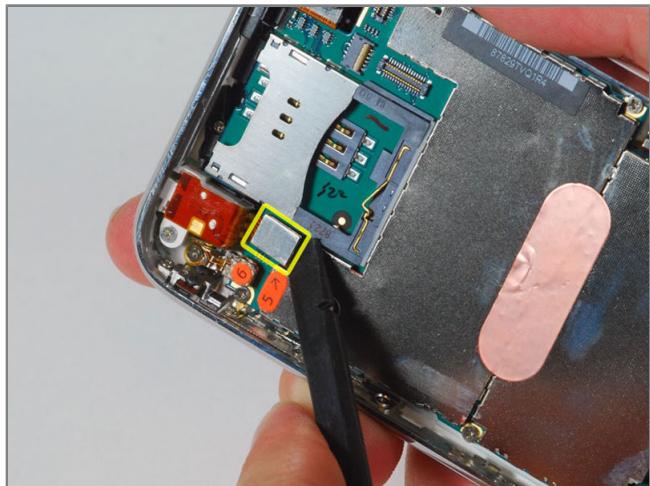
Step 7

- Insert your SIM eject tool or a paper clip into the hole next to the headphone jack.
- Press down on the tool until the SIM card tray pops out.
- Grasp the SIM card tray and slide it out of the iPhone.



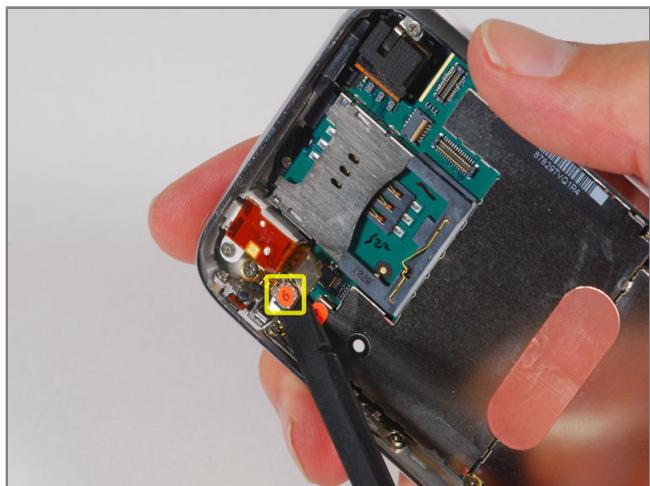
Step 8

- Use a spudger to disconnect the ribbon cable labeled "4."



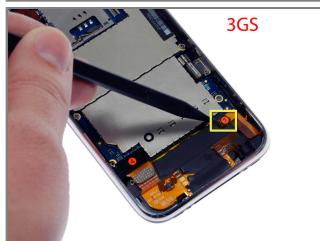
Step 9

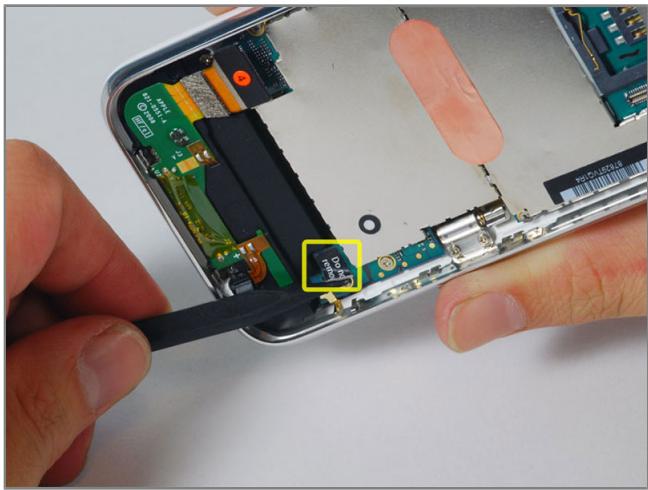
- Use a spudger to disconnect the ribbon cable labeled "5."



Step 10

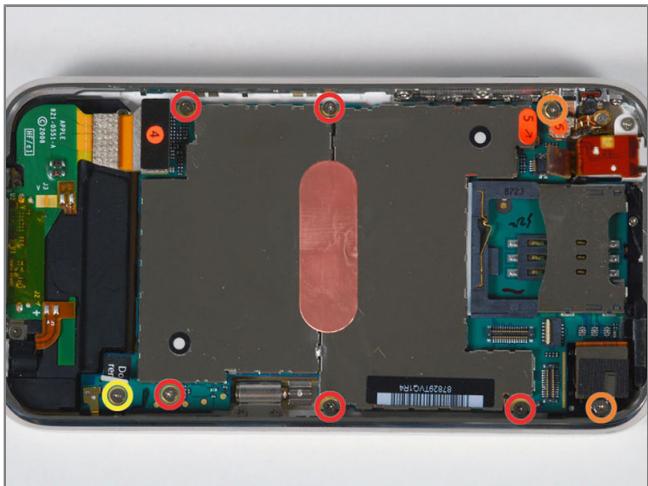
- Use a spudger to disconnect the ribbon cable labeled "6."
- If you have an iPhone 3GS, refer to picture 2 and use a spudger to disconnect the ribbon cable labeled "7."





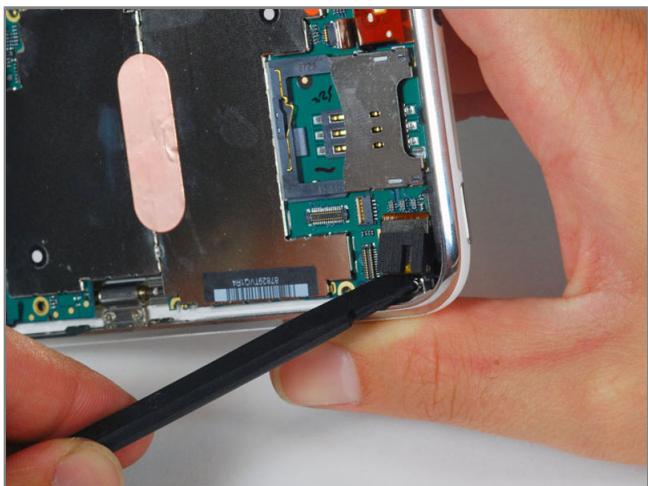
Step 11

- Carefully peel up the small sticker labeled "Do not remove."



Step 12

- Remove the following 8 screws:
 - Five 2.3 mm Phillips #00 screws with partial threads securing the logic board to the rear panel.
 - Two 2.3 mm Phillips #00 screws with full threads securing the logic board and camera.
 - One 2.9 mm Phillips #00 screw from beneath the "Do not remove" sticker.

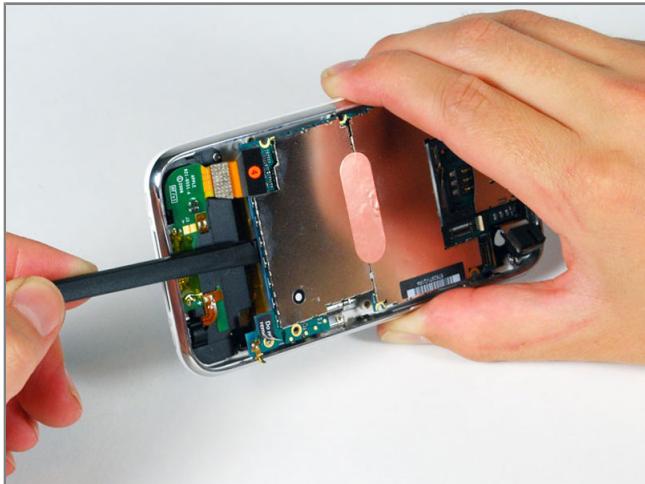


Step 13

- Use a spudger to gently pry the camera up and out of its housing in the rear panel. The camera cannot be removed entirely yet because it's connected to the bottom of the logic board.

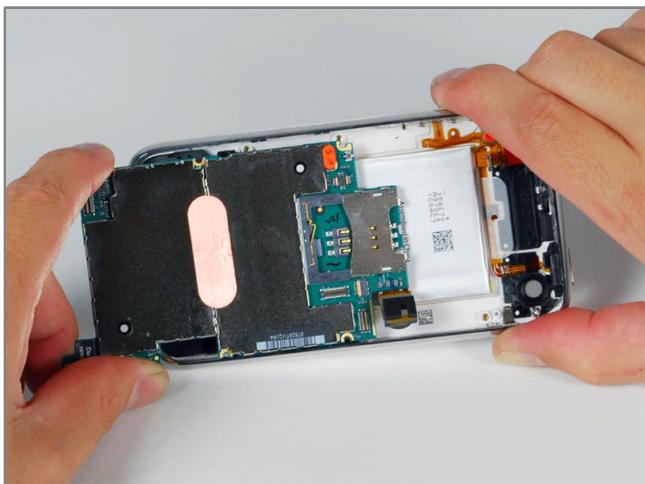
Step 14

- Use a spudger to gently pry up the end of the logic board closest to the dock connector.
- If the board won't lift up, double check to make sure all the screws securing the logic board have been removed.



Step 15

- Slide the logic board towards the dock connector and out of the iPhone.



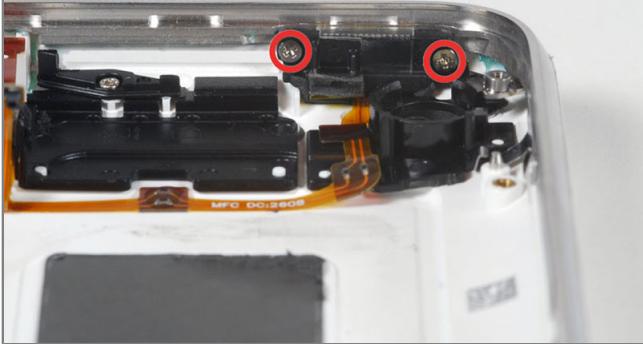
Step 16

- Use a spudger to pry the battery up from the rear panel. The battery is attached with an adhesive strip around the perimeter of the battery. To prevent the battery from bending during the removal process, we recommend against using just the plastic pull-tab .



Step 17 - Headphone Jack

- Remove the two Phillips #00 screws securing the on/off switch to the front bezel.



Step 18

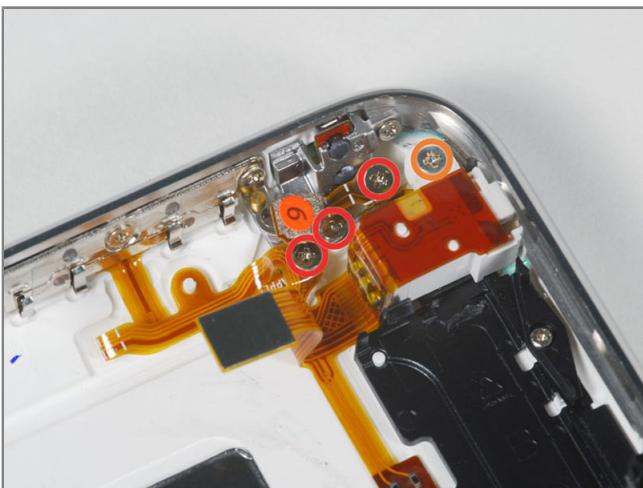
- Carefully peel up the orange ribbon cable from the rear panel.



Step 19

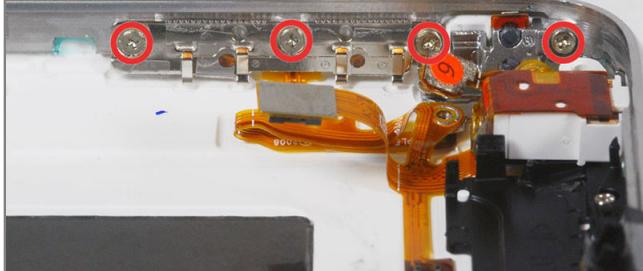
- Remove the following 4 screws:

- Three 1.8 mm Phillips #00 screws securing the headphone jack and GPS antenna to the rear panel.
- One 3.8 mm Phillips #00 screw in the plastic loop near the headphone jack.



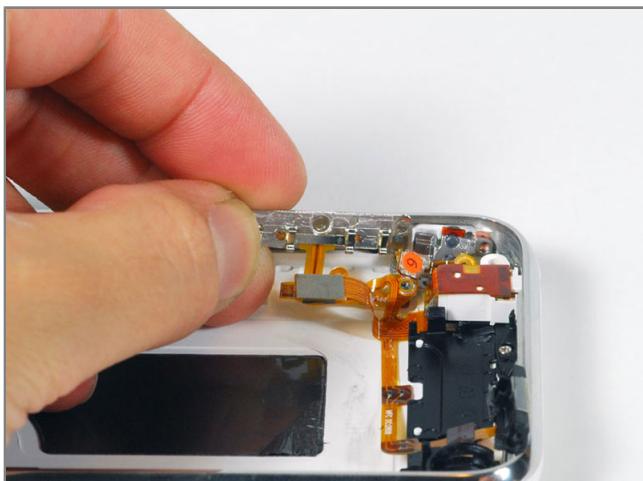
Step 20

- Remove the four Phillips #00 screws securing the volume and vibrate buttons.



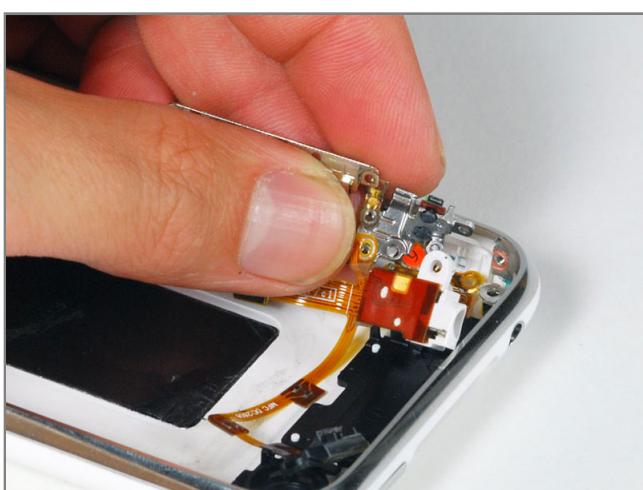
Step 21

- Lift the volume button circuitry away from the side of the iPhone, and carefully peel up the orange ribbon cable from the rear panel.



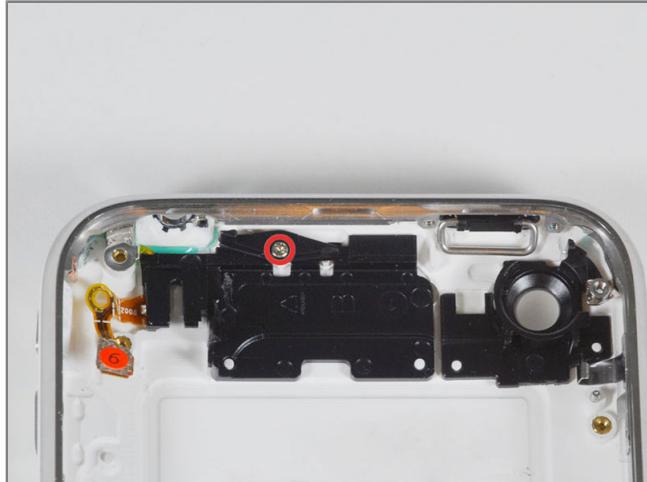
Step 22

- Carefully lift the headphone jack assembly out of the iPhone.
- Switch the green mute switch down (towards the back side of the iPhone) into mute position. This will make it much easier to insert it, once the new mute button is in place.



Step 23 - GPS Antenna

- Remove the single Phillips #00 screw securing the black plastic spacer.



Step 24

- Use a spudger to pry up the black plastic antenna housing from the rear panel.
- Lift the black plastic antenna housing out of the iPhone.

